

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

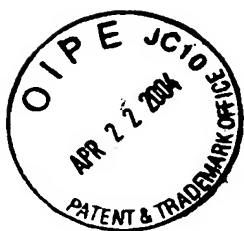
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



1/11

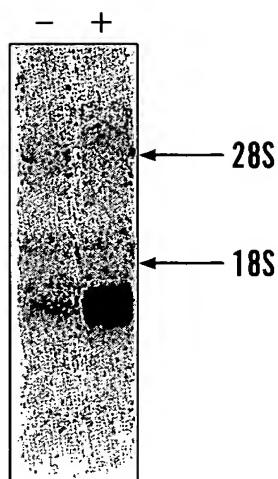


FIG. 1A

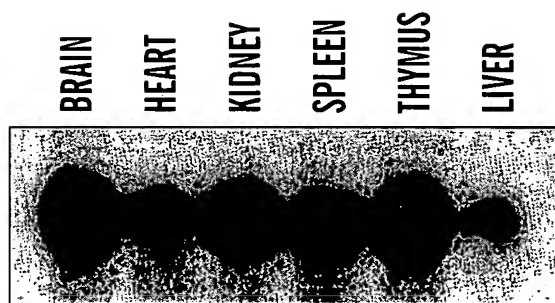


FIG. 1B

HUMAN FAIM SHORT DNA SEQUENCE

ATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTCCACAAGATC
GAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGATGGAAAGGA
AGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGGGCAAAGAAACATTCTATGTTG
GAGCTGCAAAGACAAAAGCGACCATAAATATAGACGCTATCAGTGGTTTTGCTTAT
GAATATACTCTGGAAATTAATGGGAAAAGTCTCAAGAAGTATATGGAGGACAGATC
AAAAACCACCAATACTTGGGTATTACACATGGATGGTGAGAACTTTAGAATTGTTTT
GGAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAATTGGAGACAGCGGGTG
AGTTTGTAGATGATGGGACTGAACTCACTTCAGTATCGGGAACCATGACTGTTACA
TAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATACTCTCATTGTG
GATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

FIG. 2A

HUMAN FAIM SHORT PROTEIN

MTDLVAVWDVALSDGVHKKIEFEHGTTSGKRVVYVDGKEEIRKEWMFKLVGKETFYVG
AAKTKATINIDAIISGFAYEYTLINGKSLKKYMEDRSKTTNTWVLHMDGENFRIVLEKD
AMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDNREIPE
IAS

FIG. 2B

> HUMAN FAIM LONG DNA SEQUENCE

ATGGCATCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCCTTACAGC
CTAGAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTC
CACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGA
TGGAAAGGAAGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGGGCAAAGAAACA
TTCTATGTTGGAGCTGCAAAGACAAAAGCGACCATAAATATAGACGCTATCAGTGG
TTTTGCTTATGAATATACTCTGGAAATTAATGGGAAAAGTCTCAAGAAGTATATGGA
GGACAGATCAAAAACCACTTGGGTATTACACATGGATGGTGAGAACTTTA
GAATTGTTTTGGAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAATTGGAG
ACAGCGGGTGAGTTTGTAGATGATGGGACTGAACTCACTTCAGTATCGGGAACCA
TGACTGTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATA
CTCTCATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAA

FIG. 2C**HUMAN FAIM LONG PROTEIN**

MASGDDSPIFEDDESPPYSLEKMTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDG
KEEIRKEWMFKLVGKETFYVGA AKTKATINIDAI SGFAYEYTL EINGKSLKKY MEDRSK
TTNTWVLHMDGENFRIVLEKDAMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIK
AVSSGKRKEGIIHTLIVDNREIPEIAS

FIG. 2D

HUMAN FAIM SUPER LONG DNA SEQUENCE

ATGCGCGGAGGGGTGCGGCCTTCGGCTGAGGCAGAGGACCAGGGTTGGGTCCGTGGC
GGCGGGAGGGGTGGCCTCCTGCGCTGGTCGCCCCAGGGGACCTGAGAGGCGCGACA
AACAGTCGGCGCGTTTGGTACTCGCGCCTGCAGAGCTTTCAACCTCCGCGCCGGCTG
CCTGGTNTTCTCGGCCAGGGGAGCAAGGCCACGCGGCTANCGCAGCCGAGTCGGAA
CCAACCGGTTGTTTGGTGAAACTACCCCAGAGCCTCCCGCGGCCACAGAGCACAGC
CCTCCTTACAGCCTAGAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTA
AGTGACGGAGTCCACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGT
AGTATATGTAGATGGAAAGGAAGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGG
GCAAAGAAACATTCTATGTTGGAGCTGCAAAGACAAAAGCGACCATAAATATAGAC
GCTATCAGTGGTTTTGCTTATGAATATACTCTGGAAATTAATGGGAAAAGTCTCAAG
AAGTATATGGAGGACAGATCAAAAACCACCAATACTTGGGTATTACACATGGATGG
TGAGAACTTTAGAATTGTTTTGGAAAAAGATGCTATGGACGTATGGTGCAATGGTAA
AAAATTGGAGACAGCGGGTGAGTTTGTAGATGATGGGACTGAAACTCACTTCAGTA
TCGGGAACCATGACTGTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGG
ATTATTCATACTCTCATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

FIG. 2E**HUMAN FAIM SUPER LONG PROTEIN**

MRGGCGLRLRQRTRVGSVAAGGVASCAGRPRGPERRDKQSARLVLAPAE LSTSAPAA
WXS RPGEQGHAAAXAAESEPTGCLVKLPQSLPRPTEHSPPYSLEKMTDLVAVWDVALSD
GVHKIEFEHGTTSGKRVVYVDGKEEIRKEWMFKLVGKETFYVGAAKTKATINIDAI SGF
AYEYTL EINGKSLKKYMEDRSKTTNTWVLHMDGENFRIVLEKDAMDVWCNGKKLETA
GEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDNREIPEIAS

FIG. 2F

HUMAN FAIM LUNG CANCER DNA SEQUENCE

ATGGCATCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCCTTACAGC
CTAGAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTC
CACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGA
TGGAAAGGAAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAATTGGAGACAG
CGGGTGAGTTTGTAGATGATGGGACTGAAACTCACTTCAGTATCGGGAACCATGACT
GTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATACTCTC
ATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

FIG. 2G

HUMAN FAIM LUNG CANCER PROTEIN

MASGDDSPIFEDDESPPYSLEKMTDLVAVWDVALSDGXHKIEFEHGTTSGKRVVYVDG
KEKDAMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDN
REIPEIAS

FIG. 2H

MURINE FAIM SHORT DNA SEQUENCE

ATGACGGATCTCGTAGCTGTTTGGGACGTAGCATTAAAGTGACGGAGTCCACAAGATT
 GAATTTGAACATGGGACCACATCAGGCAAGCGGGTTGTGTACGTGGATGGGAAGGA
 AGAGATAAGAAGAGAGTGGATGTTCAAGTTGGTGGGCAAAGAAACGTTCTTTGTCG
 GAGCTGCAAAAACCAAAGCCACCATCAATATAGATGCCATAAGTGGCTTCGCATAC
 GAGTACACGCTGGAAATTGATGGGAAGAGCCTCAAGAAGTACATGGAGAACAGGTC
 AAAGACCACCAGCACCTGGGTGCTGCGCCTGGATGGCGAGGACCTGAGAGTTGTTTT
 GGAAAAAGACACTATGGACGTATGGTGCAATGGTCAGAAAATGGAGACAGCGGGC
 GAGTTTGTAGATGATGGGACTGAGACGCACTTCAGCGTTGGGAACCACGGCTGTTAC
 ATAAAAGCTGTGAGCAGCGGAAAGAGGAAAGAAGGGATTATCCATACCCTCATTGT
 GGATAACAGGGAAATCCCAGAGCTCACTCAGTGA

FIG. 2I

MURINE FAIM SHORT PROTEIN

MTDLVAVWDVALSDGVHKIEFEHGTTSKRVVYVDGKEEIRREWMFKLVGKETFFVG
 AAKTKATINIDAI SAFAYEYTL EIDGKSLKKY MENRSKTTSTWVLRLDGEDLRVVLEKD
 TMDVWCNGQKMETAGEFVDDGTETHFSVGNHGCYIKAVSSGKRKEGIIHTLIVDNREIP
 ELTQ

FIG. 2J

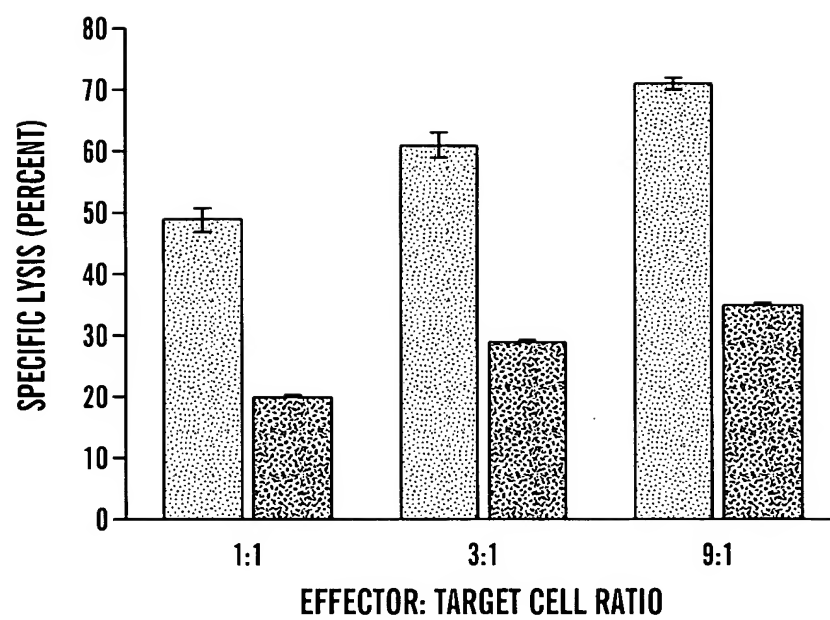
MURINE FAIM LONG DNA SEQUENCE

ATGGCGTCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCTCTATAGC
CTGGAAAAAATGACGGATCTCGTAGCTGTTTGGGACGTAGCATTAAAGTGACGGAGT
CCACAAGATTGAATTTGAACATGGGACCACATCAGGCAAGCGGGTTGTGTACGTGG
ATGGGAAGGAAGAGATAAGAAGAGAGTGGATGTTCAAGTTGGTGGGCAAAGAAAC
GTTCTTTGTCGGAGCTGCAAAAACCAAAGCCACCATCAATATAGATGCCATAAGTGG
CTTCGCATACGAGTACACGCTGGAAATTGATGGGAAGAGCCTCAAGAAGTACATGG
AGAACAGGTCAAAGACCACCAGCACCTGGGTGCTGCGCCTGGATGGCGAGGACCTG
AGAGTTGTTTTGGAAAAAGACACTATGGACGTATGGTGCAATGGTCAGAAAATGGA
GACAGCGGGCGAGTTTGTAGATGATGGGACTGAGACGCACTTCAGCGTTGGGAACC
ACGGCTGTTACATAAAAGCTGTGAGCAGCGGAAAGAGGAAAGAAGGGATTATCCAT
ACCCTCATTGTGGATAACAGGGAAATCCCAGAGCTCACTCAGTGA

FIG. 2K**MURINE FAIM LONG PROTEIN**

MASGDDSPIFEDDESPLYSLEKMTDLVAVWDVALSDGVHKKIEFEHGTTSGKRVVYVDG
KEEIRREWMFKLVGKETFFVGAAKTKATINIDAIISGFAYEYTLIDGKSLKKYMENRSK
TTSTWVLRLDGEDLRVVLEKDTMDVWCNGQKMETAGEFVDDGTETHFSVGNHGCYIK
AVSSGKRKEGIIHTLIVDNREIPELTQ

FIG. 2L

***FIG. 3A***

9/11

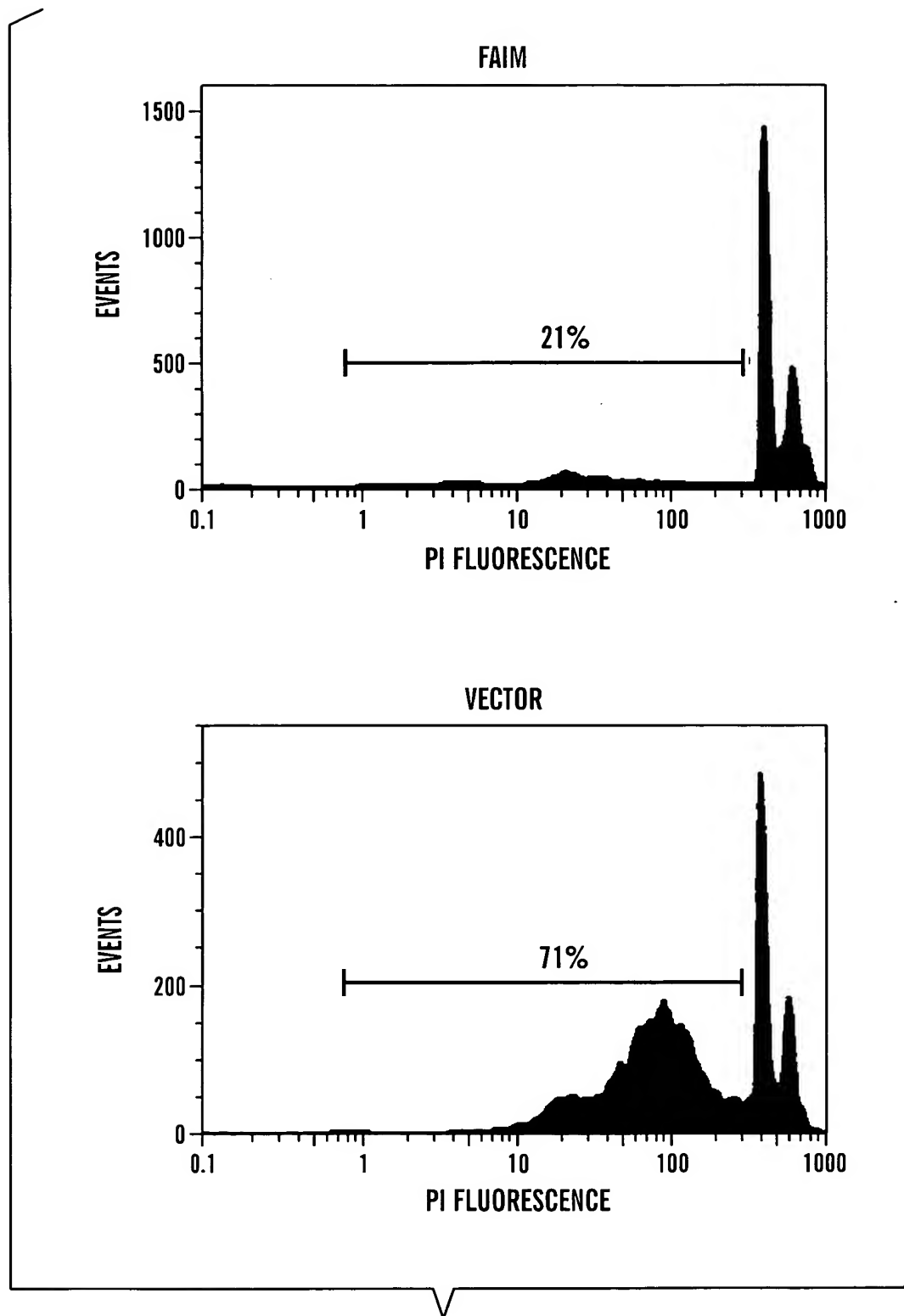


FIG. 3B

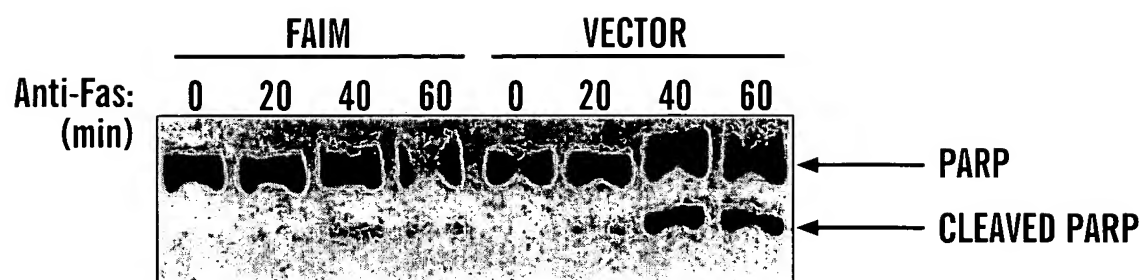


FIG. 3C

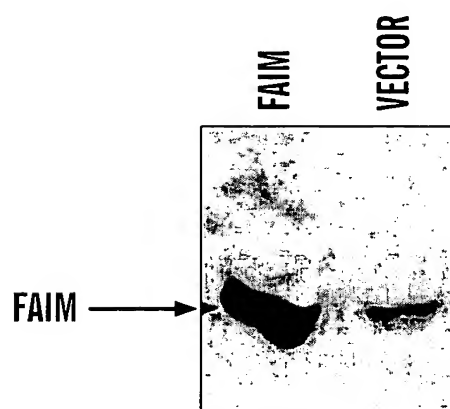


FIG. 3D

11/11

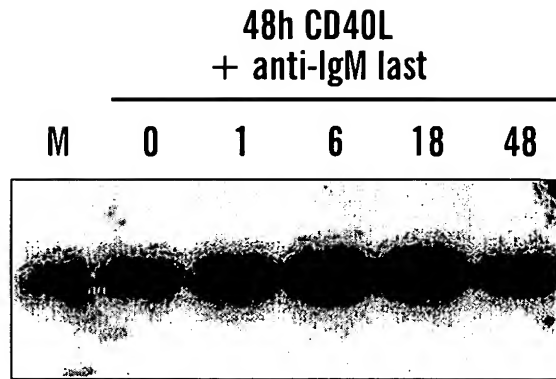


FIG. 4A

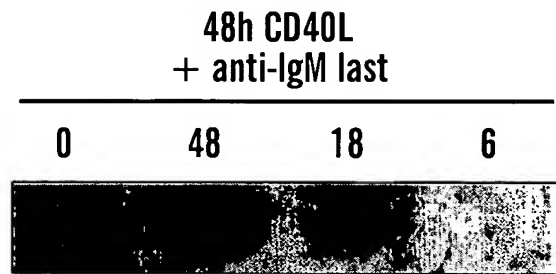


FIG. 4B

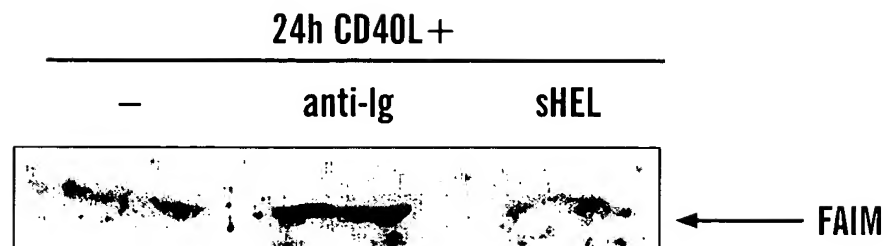


FIG. 4C